We claim:

- 1. A method of generating a cell comprising a stably replicating sub-genomic viral replicon, said method comprising
- a) disabling a host anti-viral response factor in said cell, and
- 5 b) introducing said sub-genomic viral replicon into said cell.
 - 2. A method according to claim 1, wherein said host anti-viral response factor is PKR activity.

10

The method of claim 2 wherein PKR activity in said cell is disabled by expressing a dominant-negative PKR, mutating at least one copy of the endogenous PKR gene, adding 5-amino purine, expressing p58^{IPK} protein, expressing hepatitis C virus (HCV) E2, and using a PKR antisense nucleic acid.

15

- 4. The method of claim 3 wherein PKR activity in said cell is disabled by expressing a dominant-negative PKR.
- 5. The method of claim 3 wherein PKR activity in said cell is disabled by expressing p58^{IPK} protein.
 - 6. The method of claim 3 wherein PKR activity in said cell is disabled by mutating at least one copy of the endogenous PKR gene.
- 7. The method of claim 3 wherein PKR activity in said cell is disabled by adding 5-amino purine.
 - 8. The method of claim 3 wherein PKR activity in said cell is disabled by expressing HCV E2.

30

9. The method of claim 3 wherein PKR activity in said cell is disabled by using PKR

25

antisense nucleic acid.

- 10. The method of claim 1 wherein the sub-genomic viral replicon is an HCV sub-genomic replicon, a Sindbis virus sub-genomic replicon, a poliovirus sub-genomic replicon, or a bovine viral diarrhea virus (BVDV) sub-genomic replicon.
 - 11. The method of claim 10 wherein the sub-genomic viral replicon is an HCV subgenomic replicon.
- 10 12. The method of claim 10 wherein the sub-genomic viral replicon is a Sindbis virus sub-genomic replicon.
 - 13. The method of claim 10 wherein the sub-genomic viral replicon is a poliovirus sub-genomic replicon.

14. The method of claim 10 wherein the sub-genomic viral replicon is a BVDV subgenomic replicon.

- 15. The method of claim 2 wherein the sub-genomic viral replicon is an HCV subgenomic replicon, a Sindbis virus sub-genomic replicon, a poliovirus sub-genomic replicon, or a bovine viral diarrhea virus (BVDV) sub-genomic replicon.
 - 16. The method of claim 15 wherein the sub-genomic viral replicon is an HCV sub-genomic replicon.
 - 17. The method of claim 15 wherein the sub-genomic viral replicon is a Sindbis virus sub-genomic replicon.
- 18. The method of claim 15 wherein the sub-genomic viral replicon is a poliovirus sub-genomic replicon.

30

- 19. The method of claim 15 wherein the sub-genomic viral replicon is a BVDV sub-genomic replicon.
- 20. The method of claim 15 wherein PKR activity in said cell is disabled by expressing a dominant-negative PKR, mutating at least one copy of the endogenous PKR gene, adding 5-amino purine, expressing p58^{IPK}, expressing HCV E2, or using PKR antisense nucleic acid.
- 21. The method of claim 20 wherein PKR activity in said cell is disabled by expressing a dominant-negative PKR.
 - 22. The method of claim 20 wherein PKR activity in said cell is disabled by mutating at least one copy of the endogenous PKR gene.
- 15 23. The method of claim 20 wherein PKR activity in said cell is disabled by adding 5-amino purine.
 - 24. The method of claim 20 wherein PKR activity in said cell is disabled by expressing p58^{IPK}.
 - 25. The method of claim 20 wherein PKR activity in said cell is disabled by expressing HCV E2.
- 26. The method of claim 20 wherein PKR activity in said cell is disabled by usingPKR antisense nucleic acid.
 - 27. A method of generating a cell comprising a stably replicating sub-genomic viral replicon, said method comprising introducing said sub-genomic viral replicon into a cell wherein PKR activity has been disabled.
 - 28. A cell produced by the method of any of claims 1, 2 or 27.

- 29. A cell comprising a replicating sub-genomic viral replicon wherein said cell is PKR deficient.
- 5 30. The cell of claim 29 wherein the sub-genomic viral replicon is a HCV subgenomic replicon.
 - 31. The cell of claim 30 wherein the HCV sub-genomic replicon comprises all of the non-structural HCV genes and none of the structural HCV genes.
 - 32. A method of screening for compounds that modulate viral replication comprising the steps of
 - a) administering a test compound to a cell according to claim 28, and
- b) determining whether said test compound modulates the replication of said sub-15 genomic viral replicon.
 - 33. A method of screening for compounds that modulate viral replication comprising the steps of
 - a) administering a test compound to a cell according to claim 29, and
- 20 b) determining whether said test compound modulates the replication of said subgenomic viral replicon.
- 34. A method of screening for compounds that modulate HCV replication comprising the steps of
 - a) administering a test compound to a cell according to claim 30, and
 - b) determining whether said test compound modulates the replication of said HCV sub-genomic replicon.
- 30 35. A method of screening for compounds that modulate HCV replication comprising the steps of

- a) administering a test compound to a cell according to claim 31, and
- b) determining whether said test compound modulates the replication of said HCV sub-genomic replicon.
- 5 36. A method of screening for compounds that inhibit viral replication comprising
 - a) administering a test compound to a cell according to claim 28, and
 - b) determining whether the test compound inhibits the replication of said subgenomic viral replicon.
- 10 37. A method of screening for compounds that inhibit viral replication comprising the steps of
 - a) administering a test compound to a cell according to claim 29, and
 - b) determining whether said test compound inhibits the replication of said subgenomic viral replicon.
 - 38. A method of screening for compounds that inhibit HCV replication comprising the steps of
 - a) administering a test compound to a cell according to claim 30, and
- b) determining whether said test compound inhibits the replication of said HCV sub-20 genomic replicon.
 - 39. A method of screening for compounds that inhibit HCV replication comprising the steps of
 - a) administering a test compound to a cell according to claim 31, and
- 25 b) determining whether said test compound inhibits the replication of said HCV subgenomic replicon.